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THE COMMISSIONER OF PATENTS & TRADEMARKS
Washington, D.C. 20231

Transmitted herewith for filing is the patent application of:

Inventor: C. David Young
For: Maintaining An Adaptive Broadcast Channel Using Both Transmitter Directed And Receiver Directed Broadcasts
Doc. No.: 99CR100/KE

X 7 Sheet of Drawings.

X An Assignment of Invention to Rockwell Collins, Inc., Cedar Rapids, IA 52498.

X Combined Declaration and Power of Attorney.

X Information Disclosure Statement and references.


For	Number Filed	Number Extra	Rate	Base Fee	\$690.00
Total Claims	20 - 20	0	X \$18		\$ 0.00
Ind. Claims	3 - 3	0	X \$78		\$ 0.00
Total Filing Fee					\$ 690.00

X Please charge my Deposit Account No. 18-1722 in the amount of \$690.00. A duplicate copy of this sheet is enclosed.

X Please charge my Deposit Account No. 18-1722 in the amount of \$40.00 for the Assignment recording fee.

X The Commissioner is hereby authorized to charge any additional fees which may be required during the pendency of this application for present filing fees under 37 CFR 1.17, and for later presentation of extra claims under 36 CFR 1.16, or credit any overpayment to Account No. 18-1722. A duplicate copy of this sheet is enclosed.

Respectfully submitted,


 Kyle Eppele
 Attorney of Record
 Reg. No. 34,155

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